

AX1500 Whole Home Mesh WiFi 6 System

Model: Halo H1500X

Seamless Coverage up to
4000_{ft²} | **350**_{m²}

// Highlights

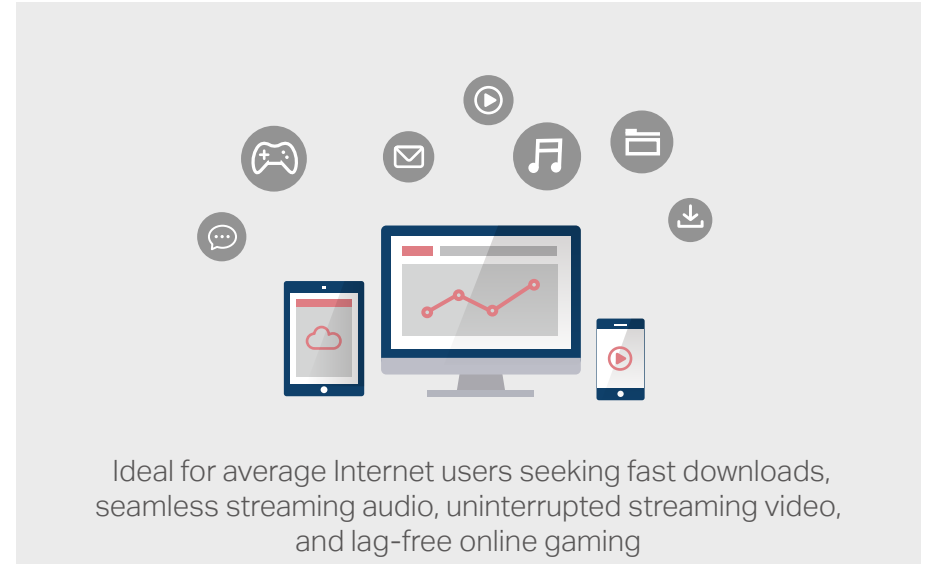
- Dual Band WiFi 6 Speeds up to 1500 Mbps – 1201 Mbps on 5 GHz and 300 Mbps on 2.4 GHz.[†]
- Seamless Roaming with One Unified Network – Halo units work together to automatically switch between Halos as you move around your home with a single unified WiFi name and password.[‡]
- Whole Home Coverage – Blanket up to 4,000 ft² (350 m²) with high-speed WiFi, eliminating WiFi dead zones at your home.[†]
- Connect over 100 Devices – Provide fast and stable connections over 100 devices.[†]
- Full Gigabit Ports – Gigabit ports for lightning-fast wired connections.^{**}



// Applications



Ideal for large homes with multiple rooms and multiple users



Ideal for average Internet users seeking fast downloads, seamless streaming audio, uninterrupted streaming video, and lag-free online gaming

// Features



Whole Home Coverage

Work as a unified system to guarantee a strong Wi-Fi signal in every corner of your home.[^]



Automatically Expand Coverage

After configuring the main router, simply power up the included add-on unit. It will automatically join the network and establish a whole home mesh Wi-Fi system.



Seamless Roaming with One Wi-Fi Name

Choose the best signal and enjoy the best connections with one unified network.[†]



Parental Controls

Set access control and time limits to better manage your family's online habits.

// Fast Wi-Fi 6 for an Upgraded Whole Home Mesh Network Experience

Armed with Wi-Fi 6, Halo H1500X improves virtually every aspect of your network, especially when it comes to speed, efficiency, and capacity. Δ



1024-QAM

Boosts raw speeds by 25% compared with 256-QAM.



OFDMA

Delivers greater network capacity and efficiency.



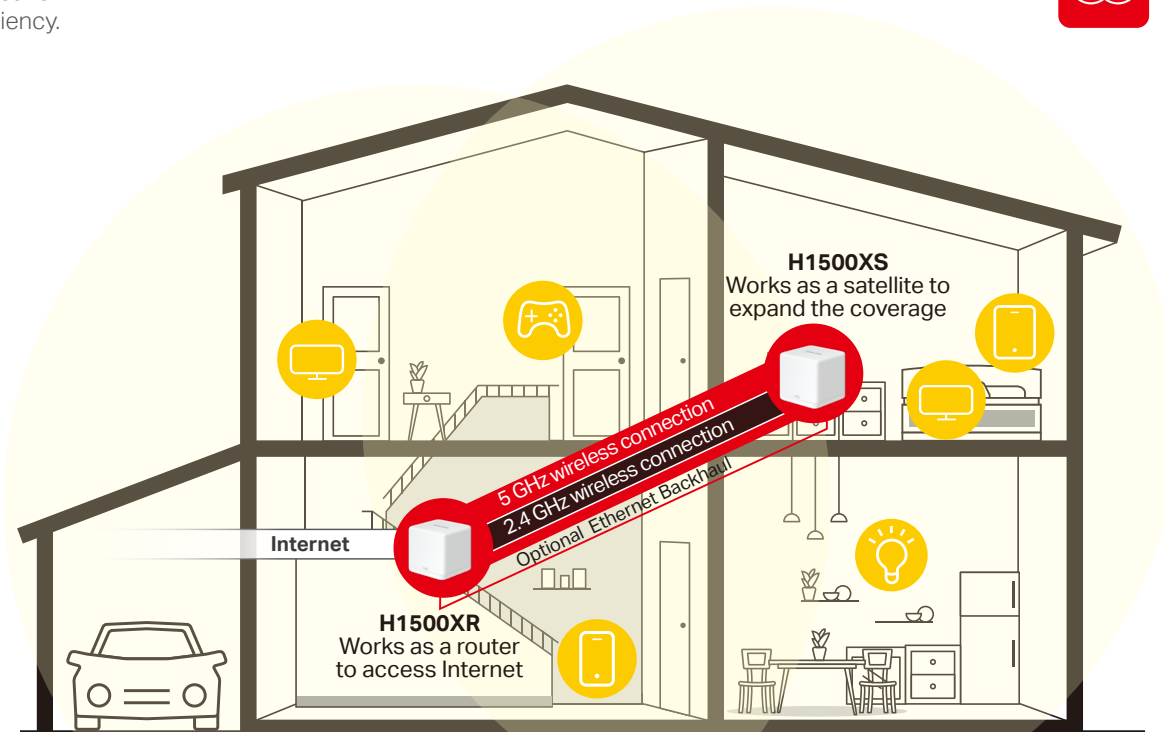
MU-MIMO

Connect more devices simultaneously.



BSS Color

Marks frames from neighboring networks to increase efficiency.



// Specifications

Wireless

Wireless Standards

IEEE 802.11ax/ac/n/a 5 GHz

IEEE 802.11n/b/g 2.4 GHz

Signal Rate

1201 Mbps on 5 GHz, 300 Mbps on 2.4 GHz[†]

Mesh protocol

802.11k/v/r

EIRP

2.4 GHz < 20dBm (EIRP)

5 GHz < 23dBm (EIRP)

Reception Sensitivity

2.4GHz:

11g 6Mbps:-96.5dBm

11g 54Mbps:-78dBm

5GHz:

11a 6Mbps:-96dBm

11a 54Mbps:-78dBm

11ac VHT20 MCS8:-74.5dBm

11ac VHT40 MCS9:-70.5dBm

11ac VHT80 MCS9:-66.5dBm

11ax HE20 MCS11:-66dBm

11ax HE40 MCS11:-63dBm

11ax HE80 MCS11:-61dBm

Software

Working Mode

Router, Access Point

WAN Type

Dynamic IP/Static IP/PPPoE/L2TP/PPTP

DHCP

Server, Client

Quality of Service

WMM

Firewall Security

SPI Firewall

Protocols

Supports IPv4 and IPv6

Guest Network

2.4 GHz Guest Network x 1,

5 GHz Guest Network x 1

Features

Parental Controls, QoS (Quality of Service), Reporting, Assisted Setup, Address Reservation, Port Forwarding, Mercusys DDNS, VLAN, IPv6, LED Control

Management

Local Management, Remote Management, Multi-Managers

Wireless Security

WPA-PSK/WPA2-PSK/WPA3[®]

// Specifications

Hardware

Ports

Halo H1500XR: 3× Gigabit WAN/LAN

Halo H1500XS: 2× Gigabit LAN Ports

Button

Reset button

Dimensions (W x D x H)

3.5 × 3.5 × 3.5 in (88 × 88 × 88 mm)



Halo H1500XR



Halo H1500XS

Others

Environment

Operating Temperature: 0°C~40°C (32°F~104°F)

Operating Humidity: 10%~90% Non-Condensing

Storage Humidity: 5%~90% Non-Condensing

Package Contents for Halo H1500X (2-pack):

1× Halo H1500XR Unit+ 1× Halo H1500XS Unit

1× RJ45 Ethernet Cable

2× Power Adapters

Quick Installation Guide

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†Seamless roaming requires clients to support 802.11k/v/r and may require additional setup. Performance may vary depending on the client device.

‡Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and quantity of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

ΔUse of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, BSS Color, require clients to also support the corresponding features. This product may not support all the mandatory features of IEEE 802.11AX specifications. Further software upgrades for feature availability may be required.

§Use of WPA3 requires clients to also support WPA3.

*Please note that the Halo H series and S series cannot work together. Halo H1500X is compatible with other units from the Halo H series to form a Mesh network. H1500XS can only work as a satellite.

**All WAN/LAN ports will operate as either WAN or LAN ports. Only one port can serve as a WAN port at a time.